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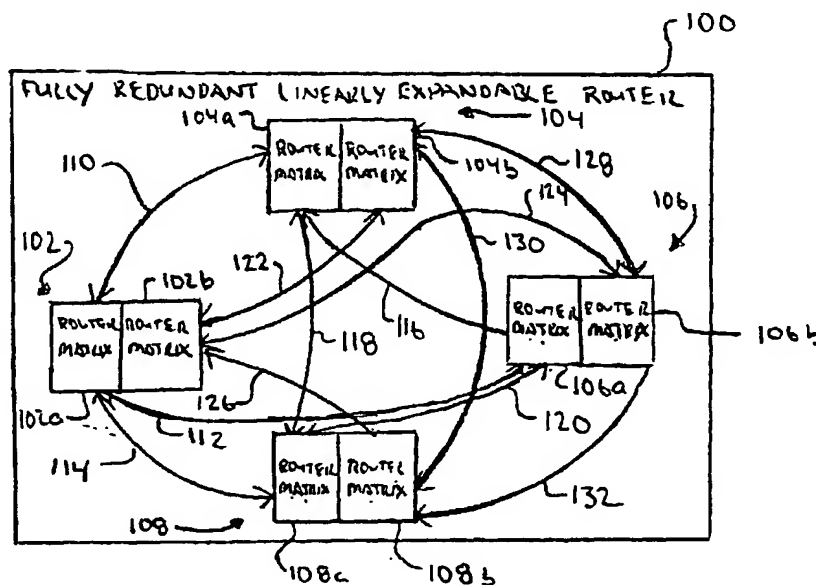
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(54) Title: BROADCAST ROUTER HAVING A SERIAL DIGITAL AUDIO DATA STREAM DECODER



(57) Abstract: A bi-phase decoder (296-1) suitable for use in a broadcast router (100) and an associated method for extracting subframes of digital audio data from a stream of digital audio data. Logical circuitry (298) within the bi-phase decoder (296) extracts subframes of the digital audio data by constructing a transition window from an estimated bit time, sampling the stream of digital audio data using a fast clock and applying the sampled stream of digital audio data to the transition window to identify transitions indicative of preambles of the subframes of digital audio data.

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